Electron Transport Chain

1. An electron travels from an NADH, which turns into a NAD, to a ubiquinone (You-bic-win-own).
2. More hydrogen’s travel to the ubiquinone from the mitochondrial matrix while electrons are released from FADH2, which turns into just FAD, through complex 2.
3. This ubiquinone travels and releases hydrogen’s into the intermembrane space.
4. The ubiquinone takes the electrons to the cytochrome complex.
5. The cytochrome takes the electrons one by one to cytochrome oxidase.
6. Two electrons, two protons, and half an oxygen combine to create H2O.
7. While all of this is taking place, protons go through the ATP synthase from the complexes. This is where ADP and Pi and a proton create ATP.